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recognition of said feature;

an intelligent controller having associated therewith a

means for accessing said programming material in

response to receiving said coded signal; and

a display unit for presenting said programming

material.

168. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a course catalogue.

170. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a brochure about programs.

171. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a registration printed document.

172. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a

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financial aid application.

173. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises instructional material.
174. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a test.
175. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a library card.
176. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises an identification card.
177. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a tag.

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178. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a decal.
179. A system as defined in claim 178 wherein said decal comprises a parking permit.
180. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises an invoice.
181. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a receipt.
182. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a credit card.
183. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises an

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application form.

184. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a transcript.
185. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a poster.
186. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a banner.
187. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a meal ticket.
188. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a schedule of events.

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189. A system as defined in claim 188 wherein said schedule of events comprises athletic events.

190. A system as defined in claim 188 wherein said schedule of events comprises cultural events.

191. A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a letter of recommendation.

192. A system as defined in claim 168 wherein said at least one machine recognizable feature has associated therewith a data link which is recognized by said feature recognition unit.

193. A system as defined in claim 192 wherein said data link comprises an image data link.

194. A system as defined in claim 192 wherein said data link comprises a video data link.

195. A system as defined in claim 192 wherein said data link

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comprises a programming data link.

196. A system as defined in claim 192 wherein said data link comprises a sound data link.

197. A system as defined in claim 192 wherein said data link comprises an online data link.

198. A system as defined in claim 192 wherein said data link comprises an online shopping data link.

199. A system as defined in claim 192 wherein said data link comprises a pictorial data link.

200. A system as defined in claim 192 wherein said data link comprises an electronic data link.

201. A system as defined in claim 192 wherein said data link comprises an electronic media link.

202. A system as defined in claim 192 wherein said data link

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comprises an "information superhighway" data link.

204. A system as defined in claim 202 wherein said "information
superhighway" data link comprises the world wide web.

206. A system as defined in claim 202 wherein said "information superhighway" data link comprises an ISDN network.

208. A system as defined in claim 202 wherein said "information
superhighway" data link comprises a CATV line.

209. A system as defined in claim 202 wherein said "information

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superhighway" data link comprises a local area network.

210. A system as defined in claim 202 wherein said "information
superhighway" data link comprises a wide area network.

211. A system as defined in claim 202 wherein said "information
superhighway" data link comprises a data communications
network.

212. A system as defined in claim 202 wherein said "information
superhighway" data link comprises an Internet Product
Service Directory.

213. A system as defined in claim 202 wherein said "information
superhighway" data link comprises a globally based digital
communications network.

214. A system as defined in claim 202 wherein said "information
superhighway" data link comprises a wireless network link.

215. A system as defined in claim 202 wherein said "information

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superhighway" data link comprises a Wireless Application Protocol internet.

216. A system as defined in claim 202 wherein said "information superhighway" data link comprises an ethernet network.

217. A system as defined in claim 202 wherein said "information superhighway" data link comprises a RF cellular network.

218. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a bar code.

219. A system as defined in claim 218 wherein said bar code comprises a Universal Product Code.

220. A system as defined in claim 218 wherein said at least one machine recognizable feature comprises an invisible bar code.

221. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a magnetic code.

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222. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a printed character.
223. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a symbol.
224. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a pictorial icon.
225. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an invisible indicia.
226. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a two-dimensional figure.
227. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an icon.
228. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an invisible icon.

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229. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a watermark.

230. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an invisible watermark.

231. A system as defined in claim 230 wherein said invisible watermark comprises a digital watermark.

232. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a series of alphanumeric characters.

233. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a binary code.

234. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a digital watermark.

235. A system as defined in claim 168 wherein said at least one

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241. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises an analog pattern.
242. A system as defined in claim 168 wherein said at least one machine recognizable feature comprises a hieroglyphic character.
243. A system as defined in claim 168 wherein said programming material comprises information.
244. A system as defined in claim 243 wherein said information comprises information about an educational institution.
245. A system as defined in claim 243 wherein said information comprises information about an individual identified by said printed document issued by an educational institutional.
246. A system as defined in claim 243 wherein said information comprises a "background check" of an individual identified by said printed document issued by an educational institutional.

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247. A system as defined in claim 243 wherein said information comprises information about an organization identified by said printed document issued by an educational institutional.
248. A system as defined in claim 243 wherein said information comprises a "background check" of an organization identified by said printed document issued by an educational institutional.
249. A system as defined in claim 243 wherein said information comprises information about a product associated with said educational institution.
250. A system as defined in claim 243 wherein said information comprises a description of the campus of an educational institution.
251. A system as defined in claim 243 wherein said information comprises a map of a campus.

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252. A system as defined in claim 243 wherein said information comprises a map of the locale of the campus.

253. A system as defined in claim 243 wherein said information comprises directions for traveling to the campus.

254. A system as defined in claim 243 wherein said information comprises information about visitor accommodations.

255. A system as defined in claim 243 wherein said information comprises an academic calendar.

256. A system as defined in claim 243 wherein said information comprises course information.

257. A system as defined in claim 243 wherein said information comprises application requirements.

258. A system as defined in claim 243 wherein said information comprises financial aid information.

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259. A system as defined in claim 243 wherein said information comprises tuition schedules.

260. A system as defined in claim 243 wherein said information comprises course grades.

261. A system as defined in claim 243 wherein said information comprises information on job opportunities in the locale of said educational institution.

262. A system as defined in claim 168 wherein said programming material comprises a service.

263. A system as defined in claim 262 wherein said service includes displaying promotional programming on said display unit of said user.

264. A system as defined in claim 262 wherein said service includes conducting an interaction with said user via a telephone.

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265. A system as defined in claim 262 wherein said service includes conducting an interaction between a plurality of users via an online communication chat link.
266. A system as defined in claim 262 wherein said service includes a virtual tour of an educational institution.
267. A system as defined in claim 262 wherein said service includes conducting an interaction with said user and an educational institution staff member.
268. A system as defined in claim 262 wherein said service includes conducting an interaction with said user and a student.
269. A system as defined in claim 262 wherein said service includes registering for courses.
270. A system as defined in claim 262 wherein said service includes cancelling courses.

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271. A system as defined in claim 262 wherein said service includes applying for admission.

272. A system as defined in claim 262 wherein said service includes registering for online courses.

273. A system as defined in claim 262 wherein said service includes applying for financial aid.

274. A system as defined in claim 262 wherein said service includes paying tuition and fees.

275. A system as defined in claim 262 wherein said service includes taking an online examination.

276. A system as defined in claim 262 wherein said service includes obtaining tickets for events.

277. A system as defined in claim 276 wherein said events comprise on-campus events.

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284. A system as defined in claim 283 wherein said device
containing a microprocessor is hand-held.

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285. A system as defined in claim 283 wherein said device containing a microprocessor is portable.
286. A system as defined in claim 168 wherein said display unit comprises a personal digital planner.
287. A system as defined in claim 168 wherein said display unit comprises an internet appliance.
288. A system as defined in claim 168 wherein said display unit comprises a cellular telephone.
289. A system as defined in claim 168 wherein said display unit comprises a wireless communication device.
290. A system as defined in claim 168 wherein said display unit comprises a simulated book.
291. A system as defined in claim 168 wherein said display unit comprises an intelligent terminal.

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292. A system as defined in claim 168 wherein said display unit comprises a web-based television.

293. A system as defined in claim 168 wherein said display unit comprises a pager.

294. A system as defined in claim 168 wherein said display unit comprises an Internet-enabled telephone.

295. A system as defined in claim 168 wherein said recognition unit is selected from a group consisting of a hand-held unit, a scanner, a bar code scanner, an optical code reader, an optical reader, a personal camera, a personal computer reader, a digital camera, a digital mouse and an optical mouse.

296. A system as defined in claim 295 wherein said recognition unit is linked to a personal computer.

297. A system as defined in claim 295 wherein said recognition unit is linked to a wireless interface.

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298. A system as defined in claim 297 wherein said wireless interface comprises a wireless network.

299. A system as defined in claim 298 wherein said wireless network comprises a cellular network.

300. A system as defined in claim 297 wherein said wireless interface comprises a cellular telephone.

301. A system as defined in claim 297 wherein said wireless interface comprises a pager.

302. A system as defined in claim 297 wherein said wireless interface comprises a wireless personal computer.

303. A system as defined in claim 297 wherein said wireless interface comprises a personal digital assistant.

304. A system as defined in claim 297 wherein said recognition unit is linked to a personal digital assistant.

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305. A system as defined in claim 295 wherein said recognition unit is linked to an Internet appliance.
306. A system as defined in claim 295 wherein said recognition unit is linked to a television set.
307. A system as defined in claim 295 wherein said recognition unit comprises a portion of a cellular telephone.
308. A system as defined in claim 295 wherein said recognition unit comprises a portion of a personal digital assistant.
309. A system as defined in claim 295 wherein said recognition unit comprises a portion of a remote control unit.
310. A system as defined in claim 295 wherein said recognition unit comprises a portion of a handwriting implement.
311. A method of providing a user access to programming material, comprising the steps of:

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imprinting a machine recognizable feature within a
printed document issued by an educational institution;

scanning said machine recognizable feature of said
printed document issued by an educational institution; and

transmitting data associated with said machine
recognizable feature via a communication link to access said
programming material, wherein said programming material is
related to said printed document issued by an educational
institution.

312. The method of claim 311 wherein said communication link
includes the Internet.

313. The method of claim 311 wherein said machine recognizable
feature is selected from a group consisting of bar code,
universal product code, invisible bar code, magnetic code,
printed character, symbol, icon, invisible indicia, two-
dimensional figure, icon, invisible icon, watermark,
invisible watermark, digital watermark, series of

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alphanumeric characters, binary code, digital watermark, magnetic strip, code, analog pattern, and hieroglyphic character.

314. A method of providing a user access to supplemental programming material associated with a printed document issued by an educational institution, comprising the steps of:

imprinting a machine recognizable feature within said printed document issued by an educational institution wherein said machine recognizable feature has associated therewith a command sequence for accessing programming material;

scanning said machine recognizable feature within said printed document issued by an educational institution and downloading data indicative of said machine recognizable feature via the Internet to a remote server;

accessing programming material from said remote server; and

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transmitting said programming material to said user
allowing said user to perceive said programming material in
a humanly perceivable form, wherein said programming
material is related to said printed document issued by an
educational institution.

315. The method of claim 314 wherein said programming material
comprises multimedia.

316. The method of claim 314 wherein said machine recognizable
feature is selected from a group consisting of a bar code, a
universal product code, invisible bar code, magnetic code,
printed character, symbol, icon, invisible indicia, two-
dimensional figure, icon, invisible icon, watermark,
invisible watermark, digital watermark, series of
alphanumeric characters, binary code, digital watermark,
magnetic strip, code, analog pattern, and hieroglyphic
character.

IN THE CLAIMS

Please amend claims 170-178, 180-188, 191, 217, 263, 295-297, 304-311, 313-314, and 316 as follows:

--170. (CURRENTLY AMENDED) A system as defined in claim 168
5 wherein said printed document issued by an educational
institutional comprises a brochure about programs.

c1 171. (CURRENTLY AMENDED) A system as defined in claim 168
10 wherein said printed document issued by an educational
institutional comprises a registration printed document.

172. (CURRENTLY AMENDED) A system as defined in claim 168
wherein said printed document issued by an educational
institutional comprises a financial aid application.

15 173. (CURRENTLY AMENDED) A system as defined in claim 168
wherein said printed document issued by an educational
institutional comprises instructional material.

20 174. (CURRENTLY AMENDED) A system as defined in claim 168
wherein said printed document issued by an educational
institutional comprises a test.

175. (CURRENTLY AMENDED) A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a library card.

5 176. (CURRENTLY AMENDED) A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises an identification card.

*C1
encl.*

177. (CURRENTLY AMENDED) A system as defined in claim 168
10 wherein said printed document issued by an educational institutional comprises a tag.

178. (CURRENTLY AMENDED) A system as defined in claim 168 wherein said printed document issued by an educational
15 institutional comprises a decal.

180. (CURRENTLY AMENDED) A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises an invoice.

C2

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181. (CURRENTLY AMENDED) A system as defined in claim 168 wherein said printed document issued by an educational institutional comprises a receipt.

182. (CURRENTLY AMENDED) A system as defined in claim 168 wherein said printed document issued by an educational institutional~~al~~ comprises a credit card. .

5 183. (CURRENTLY AMENDED) A system as defined in claim 168 wherein said printed document issued by an educational institutional~~al~~ comprises an application form.

C2
conf.
10 184. (CURRENTLY AMENDED) A system as defined in claim 168 wherein said printed document issued by an educational institutional~~al~~ comprises a transcript.

185. (CURRENTLY AMENDED) A system as defined in claim 168 wherein said printed document issued by an educational
15 institutional~~al~~ comprises a poster.

186. (CURRENTLY AMENDED) A system as defined in claim 168 wherein said printed document issued by an educational institutional~~al~~ comprises a banner.

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187. (CURRENTLY AMENDED) A system as defined in claim 168 wherein said printed document issued by an educational institutional~~al~~ comprises a meal ticket.

c2
concl. 188. (CURRENTLY AMENDED) A system as defined in claim 168
wherein said printed document issued by an educational
institutional comprises a schedule of events.

c3 5 191. (CURRENTLY AMENDED) A system as defined in claim 168
wherein said printed document issued by an educational
institutional comprises a letter of recommendation.

c4 10 217. (CURRENTLY AMENDED) A system as defined in claim 202
wherein said "information superhighway" data link comprises
a radio frequency ("RF") cellular network.

c5 15 263. (CURRENTLY AMENDED) A system as defined in claim 262
wherein said service includes displaying promotional
programming material on said display unit of said user.

c6 20 295. (CURRENTLY AMENDED) A system as defined in claim 168
wherein said feature recognition unit is selected from a
group consisting of a hand-held unit, a scanner, a bar code
scanner, an optical code reader, an optical reader, a
personal camera, a personal computer reader, a digital
camera, a digital mouse and an optical mouse.

296. (CURRENTLY AMENDED) A system as defined in claim 295 wherein said feature recognition unit is linked to a personal computer.

*c6
cancel.*

5 297. (CURRENTLY AMENDED) A system as defined in claim 295 wherein said feature recognition unit is linked to a wireless interface.

304. (CURRENTLY AMENDED) A system as defined in claim 297
10 wherein said feature recognition unit is linked to a personal digital assistant.

c1

305. (CURRENTLY AMENDED) A system as defined in claim 295 wherein said feature recognition unit is linked to an
15 Internet appliance.

306. (CURRENTLY AMENDED) A system as defined in claim 295 wherein said feature recognition unit is linked to a television set.

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307. (CURRENTLY AMENDED) A system as defined in claim 295 wherein said feature recognition unit comprises a portion of a cellular telephone.

308. (CURRENTLY AMENDED) A system as defined in claim 295 wherein said feature recognition unit comprises a portion of a personal digital assistant.

c7
cancel.

5 309. (CURRENTLY AMENDED) A system as defined in claim 295 wherein said feature recognition unit comprises a portion of a remote control unit.

310. (CURRENTLY AMENDED) A system as defined in claim 295
10 wherein said feature recognition unit comprises a portion of a handwriting implement.

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311. (CURRENTLY AMENDED) A method of providing a user access to programming material, comprising the steps of:

C7 *encl.* 5
imprinting a machine recognizable feature within a printed document issued by an educational institution;

scanning said machine recognizable feature of said printed document issued by an educational institution; and

10 transmitting data associated with said machine recognizable feature via a communication link to access said programming material, wherein said programming material is related to said printed document issued by an educational institution.

c8 15 313. (CURRENTLY AMENDED) The method of claim 311 wherein said machine recognizable feature is selected from a group consisting of bar code, universal product code, invisible bar code, magnetic code, printed character, symbol, ~~icon~~, invisible indicia, two-dimensional figure, icon, invisible
20 icon, watermark, invisible watermark, digital watermark, series of alphanumeric characters, binary code, ~~digital watermark~~, magnetic strip, code, analog pattern, and hieroglyphic character.

314. (CURRENTLY AMENDED) A method of providing a user access to supplemental programming material associated with a printed document issued by an educational institution, comprising the steps of:

5 ~~im~~printing a machine recognizable feature within said
printed document issued by an educational
institution, wherein said machine recognizable
feature has associated therewith a command
sequence for accessing programming material;

10 scanning said machine recognizable feature within said
printed document issued by an educational
institution and downloading data indicative of
said machine recognizable feature via the
Internet to a remote server;

15 accessing programming material from said remote
server; and

transmitting said programming material to said user
allowing said user to perceive said programming
material in a humanly perceivable form, wherein
20 said programming material is related to said
printed document issued by an educational
institution.

316. (CURRENTLY AMENDED) The method of claim 314 wherein
said machine recognizable feature is selected from a group
consisting of a bar code, a universal product code,
invisible bar code, magnetic code, printed character,
symbol, ~~icon~~, invisible indicia, two-dimensional figure,
icon, invisible icon, watermark, invisible watermark,
digital watermark, series of alphanumeric characters,
binary code, ~~digital watermark~~, magnetic strip, code,
analog pattern, and hieroglyphic character.--

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

{EDITED VERSION OF THE AMENDED CLAIM}

168. A system for displaying programming material to a user,
the system comprising:

a printed document issued by an educational institution
having at least one machine recognizable feature;

a feature recognition unit having associated therewith a
means for recognizing said machine recognizable feature and a
means for transmitting a coded signal in response to the
recognition of said machine recognizable feature;

an intelligent controller having associated therewith a
means for accessing said programming material in response to
receiving said coded signal; and

a display unit for presenting said programming material.

16[8]9. A system as defined in claim 168 wherein said printed
document issued by an educational institution comprises a course
catalogue.

206. A system as defined in claim 202 wherein said "information
superhighway" data link comprises an integrated service digital
network (ISDN) [network].